CONSTANT POOL ENTRIES

METHOD REF

1511	1512	1513	1514	1515	1516
TAG	FLAGS	MTE@	VMT OFFSET	CLASS#	NAME/TYPE#

1510

CLASS

1521	1522	1523	1524
TAG	FLAGS	CLASS@	CLASS NAME UTF8#

1520

NAME AND TYPE

1531	1532	1533
TAG	NAME UTF8#	TYPE UTF8#

1530

UTF8

1541	1542	1543	1544
TAG	FLAGS	@ OF DATA	LENGTH OF DATA

1540

CONSTANT RESOLUTION ENTRY

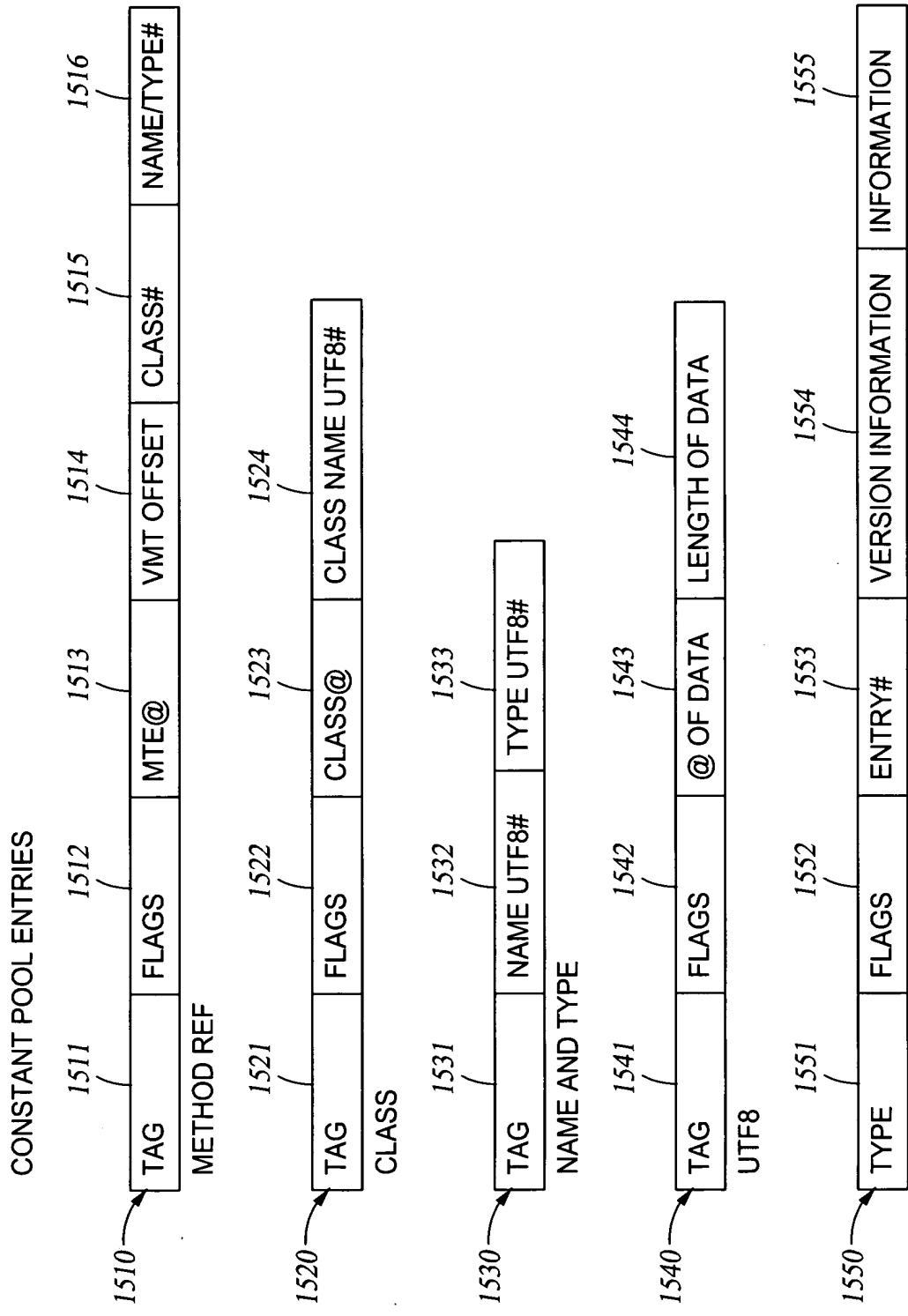| 1551	1552	1553	1554	1555
TYPE	FLAGS	ENTRY#	VERSION INFORMATION	INFORMATION

1550

Fig. 15

1600

1602

EXTRACT CONST POOL ENTRY # FROM CONST RES ENTRY

1606

CHECK
VERSION
INFO

←— YES —

1604

CONST POOL
ENTRY ALREADY
RESOLVED
?

NO

RESOLVE TO CLASS IN NORMAL FASHION — 1608

1610

DOES
CONST RES
ENTRY INDICATE THAT THIS
CONSTANT IS TO BE RESOLVED
TO A CLONE
?

1616

RESOLVE
IN NORMAL
FASHION

←— NO —

YES

1612

SEARCH COMPILATION UNIT OF CALLER FOR CLONE CLASS

1618

HANDLE
ERROR

←— NO —

1614

DOES
VERSION INFO MATCH
BETWEEN CLONE AND
PARENT CLASSES
?

YES

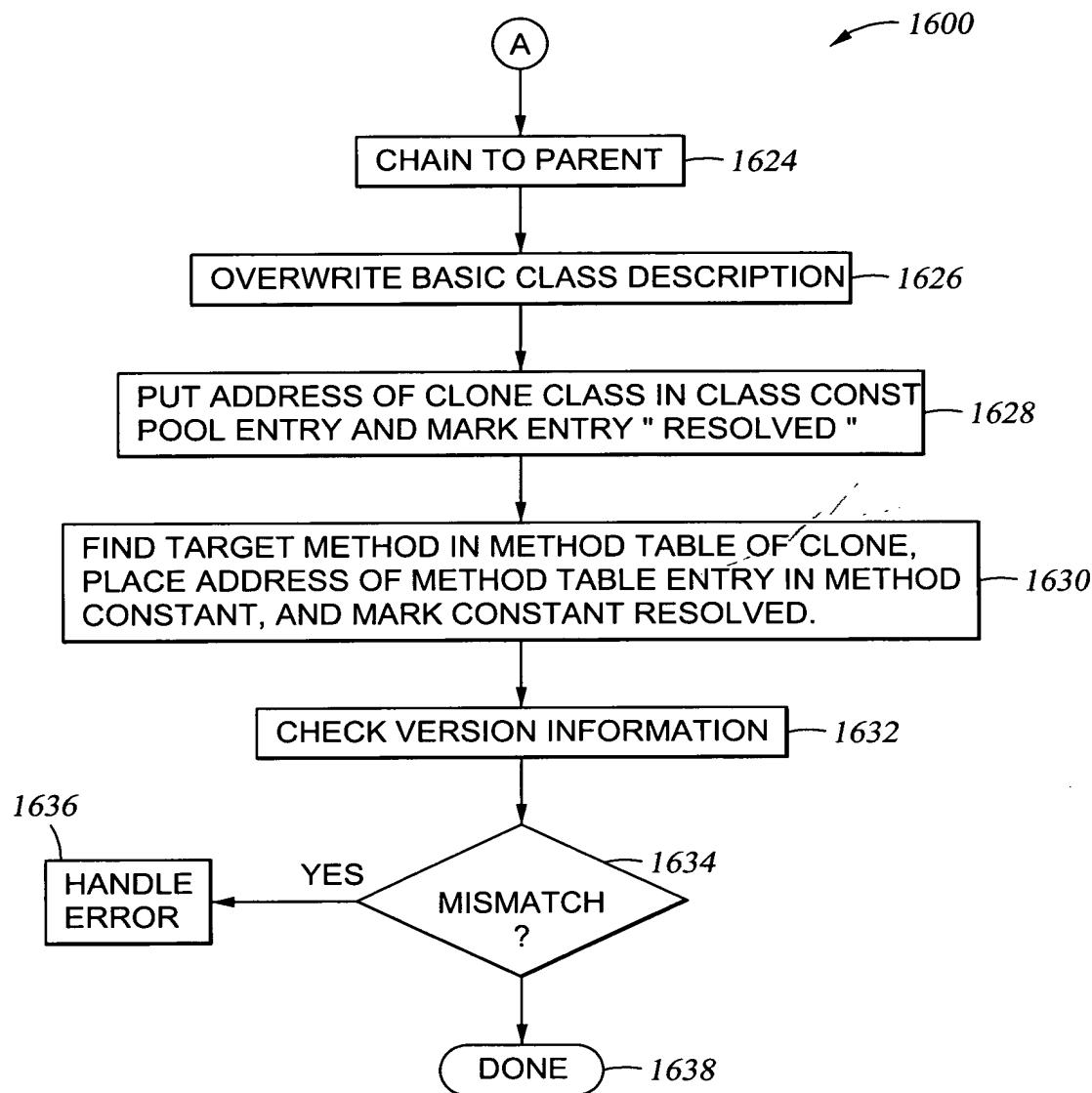LOAD CLONE CLASS — 1620

MARK CLASS "CLONED" — 1622

| 16A |
| 16B |

Fig. 16A

(A)

```
              ( A )                        ⟵ 1600

                │
                ▼
        ┌──────────────────┐
        │ CHAIN TO PARENT  │── 1624
        └──────────────────┘
                │
                ▼
    ┌──────────────────────────────────┐
    │ OVERWRITE BASIC CLASS DESCRIPTION │── 1626
    └──────────────────────────────────┘
                │
                ▼
    ┌──────────────────────────────────────┐
    │ PUT ADDRESS OF CLONE CLASS IN CLASS CONST │── 1628
    │ POOL ENTRY AND MARK ENTRY " RESOLVED "    │
    └──────────────────────────────────────┘
                │
                ▼
    ┌──────────────────────────────────────────┐
    │ FIND TARGET METHOD IN METHOD TABLE OF CLONE, │
    │ PLACE ADDRESS OF METHOD TABLE ENTRY IN METHOD │── 1630
    │ CONSTANT, AND MARK CONSTANT RESOLVED.        │
    └──────────────────────────────────────────┘
                │
                ▼
    ┌──────────────────────────┐
    │ CHECK VERSION INFORMATION │── 1632
    └──────────────────────────┘
                │
                ▼
    ┌────────┐   YES      ◇───── 1634
    │ HANDLE │◀────────  MISMATCH
    │ ERROR  │             ?  ◇
    └────────┘
  1636                     │
                           ▼
                    ( DONE )── 1638
```

Fig. 16B